Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3	stepwise adj filter	US-PGPUB; USPAT	OR	OFF	2005/12/12 13:56
L2	96	stepwise near2 filter	US-PGPUB; USPAT	OR	OFF	2005/12/12 13:26
L3	3717476	@ad<="20010326" or @prad<="20010326" or @rlad<="20010326"	US-PGPUB; USPAT	OR	OFF	2005/12/12 13:26
L4	80	stepwise near2 filter and L3	US-PGPUB; USPAT	OR	OFF	2005/12/12 13:27
L5	99	("step-wise" or stepwise) near2 filter and L3	US-PGPUB; USPAT	OR	OFF	2005/12/12 13:27
L6	150	("step-wise" or stepwise) near2 filter$3 and L3	US-PGPUB; USPAT	OR	ON	2005/12/12 15:43
L7	1365	filter$3 and L3 and OFDM	US-PGPUB; USPAT	OR	ON	2005/12/12 13:30
L8	685	filter$3 and L3 and OFDM and (sub-band or subband or sub-carrier or subcarrier or subchannel or sub-channel)	US-PGPUB; USPAT	OR	ON	2005/12/12 13:31
L9	6145	370/344,380,203,208.ccls. or 375/260,295,222,146,147.ccls.	US-PGPUB; USPAT	OR	ON	2005/12/12 15:41
L10	259	8 and 9	US-PGPUB; USPAT	OR	ON	2005/12/12 13:32
L11	30330	step$3 near2 filter$3	US-PGPUB; USPAT	OR	OFF	2005/12/12 13:57
L12	22232	3 and 11	US-PGPUB; USPAT	OR	OFF	2005/12/12 13:57
L13	5362	OFDM	US-PGPUB; USPAT	OR	OFF	2005/12/12 13:57
L14	97	12 and L13	US-PGPUB; USPAT	OR	OFF	2005/12/12 13:57
L15	129412	(frequency with conver$5)	US-PGPUB; USPAT	OR	ON	2005/12/12 14:15
L16	1169	3 and 13 and 15	US-PGPUB; USPAT	OR	ON	2005/12/12 14:15
L17	940	3 and 13 and 15 and filter$3	US-PGPUB; USPAT	OR	ON	2005/12/12 14:16
L18	288	3 and 13 and 15 and filter$3 and 9	US-PGPUB; USPAT	OR	ON	2005/12/12 14:17
L19	156	3 and 13 and 15 and filter$3 and 9 and ("S/P" or "P/S")	US-PGPUB; USPAT	OR	ON	2005/12/12 14:24
L20	469	3 and 13 and 15 and filter$3 and ("S/P" or "P/S")	US-PGPUB; USPAT	OR	ON	2005/12/12 14:17

L21	0	"69178036".pn.	US-PGPUB; USPAT	OR	ON	2005/12/12 14:24
L22	1	"6917803".pn.	US-PGPUB; USPAT	OR	ON	2005/12/12 15:28
L23	0	"15035555"	US-PGPUB; USPAT; EPO	OR	ON	2005/12/12 15:29
L24	9	"1503555"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/12 15:30
L25	0	"1503555" and stepwise	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/12 15:31
L26	1	"1398929" and stepwise	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/12 15:31
L27	6800	370/343,344,480,481,203,208.ccls. or 375/260,295,222,146,147.ccls.	US-PGPUB; USPAT	OR	ON	2005/12/12 16:00
L28	1	27 and 2 and 3	US-PGPUB; USPAT	OR	ON	2005/12/12 15:42
L29	1	("step-wise" or stepwise) near2 filter$3 and 27 and 3	US-PGPUB; USPAT	OR	ON	2005/12/12 15:43
L30	5	("step-wise" or stepwise) with filter$3 and 27 and 3	US-PGPUB; USPAT	OR	ON	2005/12/12 15:43
L31	462	370/343.ccls.	US-PGPUB; USPAT	OR	ON	2005/12/12 15:45
L32	31	370/343.ccls. and (stepwise or step-wise or step) with filter$3	US-PGPUB; USPAT	OR	ON	2005/12/12 15:47
L33	24	32 and 3	US-PGPUB; USPAT	OR	ON	2005/12/12 15:46
L34	2051	370/343,344,480,481,203,208.ccls.	US-PGPUB; USPAT	OR	ON	2005/12/12 15:48
L35	1116	370/343,344,480,481,203,208.ccls. and demodulat$5	US-PGPUB; USPAT	OR	ON	2005/12/12 15:48
L36	775	370/343,344,480,481,203,208.ccls. and demodulat$5 and filter$3	US-PGPUB; USPAT	OR	ON	2005/12/12 15:48
L37	385	370/343,344,480,481,203,208.ccls. and demodulat$5 and filter$3 and OFDM	US-PGPUB; USPAT	OR	ON	2005/12/12 15:48

L38	207	370/343,344,480,481,203,208.ccls. and demodulat$5 and filter$3 and OFDM and 3	US-PGPUB; USPAT	OR	ON	2005/12/12 15:59
L39	1079	demodulat$5 and filter$3 and OFDM and 3	US-PGPUB; USPAT	OR	ON	2005/12/12 15:59
L40	357	demodulat$5 and filter$3 and OFDM and 3 and 27	US-PGPUB; USPAT	OR	ON	2005/12/12 16:00
L41	4934	375/260,295,222,146,147.ccls.	US-PGPUB; USPAT	OR	ON	2005/12/12 16:00
L42	196	demodulat$5 and filter$3 and OFDM and 3 and 41	US-PGPUB; USPAT	OR	ON	2005/12/12 16:00
S1	5362	OFDM	US-PGPUB; USPAT	OR	OFF	2005/12/08 09:21
S2	612	band with division with number	US-PGPUB; USPAT	OR	OFF	2005/12/08 09:40
S3	58	S1 and S2	US-PGPUB; USPAT	OR	OFF	2005/12/08 09:22
S4	3717476	@ad<="20010326" or @prad<="20010326" or @rlad<="20010326"	US-PGPUB; USPAT	OR	OFF	2005/12/08 09:22
S5	17	S3 and S4	US-PGPUB; USPAT	OR	OFF	2005/12/08 09:33
S6	2038	S1 and S4	US-PGPUB; USPAT	OR	OFF	2005/12/08 09:30
S7	103926	"370"/$.ccls. or "375"/$.ccls.	US-PGPUB; USPAT	OR	OFF	2005/12/08 09:30
S8	1475	S6 and S7	US-PGPUB; USPAT	OR	OFF	2005/12/08 09:30
S9	0	"hitachi.asn"	US-PGPUB; USPAT	OR	OFF	2005/12/08 09:31
S10	0	S6 and S9	US-PGPUB; USPAT	OR	OFF	2005/12/08 09:30
S11	39702	hitachi.asn.	US-PGPUB; USPAT	OR	OFF	2005/12/08 09:31
S12	4185	S6 adn S10	US-PGPUB; USPAT	OR	OFF	2005/12/08 09:31
S13	0	S6 and S10	US-PGPUB; USPAT	OR	OFF	2005/12/08 09:31
S14	23	S6 and S11	US-PGPUB; USPAT	OR	OFF	2005/12/08 09:31
S15	1	10/003259	US-PGPUB; USPAT	OR	OFF	2005/12/08 09:37
S16	1606	370/344,480,203,208.ccls.	US-PGPUB; USPAT	OR	OFF	2005/12/08 09:38
S17	2693	370/344,480,203,208.ccls. or 375/146,147.ccls.	US-PGPUB; USPAT	OR	OFF	2005/12/08 09:44

S18	47276	370/344,480,203,208.ccls. or "375"/$.ccls.	US-PGPUB; USPAT	OR	OFF	2005/12/08 10:40
S19	1175	S1 and S18 and S4	US-PGPUB; USPAT	OR	ON	2005/12/08 09:39
S20	406	S1 and S17 and S4	US-PGPUB; USPAT	OR	ON	2005/12/08 09:39
S21	1175	S1 and S18 and S4	US-PGPUB; USPAT	OR	ON	2005/12/08 09:40
S22	14	S1 and S18 and S4 and S2	US-PGPUB; USPAT	OR	ON	2005/12/08 09:40
S23	8156	band with division	US-PGPUB; USPAT	OR	OFF	2005/12/08 09:40
S24	536	band adj division	US-PGPUB; USPAT	OR	OFF	2005/12/08 09:40
S25	9	S1 and S18 and S4 and S24	US-PGPUB; USPAT	OR	ON	2005/12/08 09:41
S26	2807	370/344,480,481,203,208.ccls. or 375/146,147.ccls.	US-PGPUB; USPAT	OR	OFF	2005/12/08 09:44
S27	47372	370/344,480,481,203,208.ccls. or "375"/$.ccls.	US-PGPUB; USPAT	OR	OFF	2005/12/08 09:44
S28	1	S1 and S4 and S27 and stepwise and AGC	US-PGPUB; USPAT	OR	ON	2005/12/08 09:47
S29	8	S1 and S4 and S27 and stepwise	US-PGPUB; USPAT	OR	ON	2005/12/08 09:51
S30	3073	S1 and S4 and S27 and "P/S" or "S/P"	US-PGPUB; USPAT	OR	ON	2005/12/08 09:51
S31	622	S1 and S4 and S27 and ("P/S" or "S/P")	US-PGPUB; USPAT	OR	ON	2005/12/08 09:51
S32	378	S1 and S4 and S27 and ("P/S" or "S/P") and conver$6 with frequency	US-PGPUB; USPAT	OR	ON	2005/12/08 09:52
S33	32	S1 and S4 and S27 and ("P/S" or "S/P") and (conver$6 with frequency) and shift$3 with step$4	US-PGPUB; USPAT	OR	ON	2005/12/08 09:52
S34	32	S1 and S4 and S27 and ("P/S" or "S/P") and (conver$6 with frequency) and (shift$3 with step$4)	US-PGPUB; USPAT	OR	ON	2005/12/08 10:41
S35	49881	370/344,480,203,208,335,342.ccls. or "375"/$.ccls.	US-PGPUB; USPAT	OR	OFF	2005/12/08 10:40
S36	33	S1 and S4 and S35 and ("P/S" or "S/P") and (conver$6 with frequency) and (shift$3 with step$4)	US-PGPUB; USPAT	OR	ON	2005/12/08 13:55
S37	961	OFDM near3 receiver	US-PGPUB; USPAT	OR	ON	2005/12/08 13:56
S38	1008951	filter$3	US-PGPUB; USPAT	OR	ON	2005/12/08 14:05

S39	667	S37 and S38	US-PGPUB; USPAT	OR	ON	2005/12/08 13:57
S40	3717476	@ad<="20010326" or @prad<="20010326" or @rlad<="20010326"	US-PGPUB; USPAT	OR	OFF	2005/12/08 13:57
S41	294	S37 and S38 and S40	US-PGPUB; USPAT	OR	ON	2005/12/08 13:57
S42	73614	filter$3 same parallel	US-PGPUB; USPAT	OR	ON	2005/12/08 14:05
S43	62362	S37 adn S40 and S42	US-PGPUB; USPAT	OR	ON	2005/12/08 14:05
S44	65	S37 and S40 and S42	US-PGPUB; USPAT	OR	ON	2005/12/08 14:15
S45	211	S37 and S40 and ("P/S" or "S/P")	US-PGPUB; USPAT	OR	ON	2005/12/08 14:54
S46	3874	375/260,295,222.ccls.	US-PGPUB; USPAT	OR	ON	2005/12/08 14:54
S47	16972	subband or subchannel or subcarrier	US-PGPUB; USPAT	OR	ON	2005/12/08 14:54
S48	389	S40 and S46 and S47	US-PGPUB; USPAT	OR	ON	2005/12/08 15:01
S49	1019	stepwise with filter$3	US-PGPUB; USPAT	OR	ON	2005/12/08 14:59
S50	0	S48 and S49	US-PGPUB; USPAT	OR	ON	2005/12/08 14:56
S51	72075	stepwise	US-PGPUB; USPAT	OR	ON	2005/12/08 14:56
S52	5	S48 and S51	US-PGPUB; USPAT	OR	ON	2005/12/08 14:56
S53	795	S40 and S49	US-PGPUB; USPAT	OR	ON	2005/12/08 14:58
S54	2	S40 and S49 and OFDM	US-PGPUB; USPAT	OR	ON	2005/12/08 14:58
S55	21	stepwise adj filter$3	US-PGPUB; USPAT	OR	ON	2005/12/08 14:59
S56	148	stepwise near2 filter$3	US-PGPUB; USPAT	OR	ON	2005/12/08 14:59
S57	0	stepwise near2 filter$3 and OFDM	US-PGPUB; USPAT	OR	ON	2005/12/08 15:28
S58	134	S40 and S46 and S47 and OFDM	US-PGPUB; USPAT	OR	ON	2005/12/08 15:28
S59	2047	"455"/$.ccls. and cascad$3	US-PGPUB; USPAT	OR	ON	2005/12/12 14:15
S60	148	stepwise near2 filter$3	US-PGPUB; USPAT	OR	ON	2005/12/08 15:29

S61	125	stepwise near2 filter$3 and S40	US-PGPUB; USPAT	OR	ON	2005/12/08 15:32
S62	2	(stepwise same filter$3) and OFDM and S40	US-PGPUB; USPAT	OR	ON	2005/12/08 15:32
S63	3874	375/260,295,222.ccls.	US-PGPUB; USPAT	OR	ON	2005/12/08 18:40

	U	1	Document ID	Issue Date	Pages
1		X	US 5506836 A	19960409	22
2		X	US 5596582 A	19970121	22
3		X	US 5657313 A	19970812	19
4		X	US 5732068 A	19980324	22
5		X	US 5787123 A	19980728	36
6		X	US 6246735 B1	20010612	22
7		X	US 6345036 B1	20020205	39
8		X	US 6603961 B1	20030805	10
9		X	US 6609039 B1	20030819	13
10		X	US 6628673 B1	20030930	12

	Title	Current OR	Current XRef
1	Orthogonal frequency division multiplex demodulation	370/203	375/326
2	AFC in OFDM modulation by shift of a window along a reception sample sequence	370/509	370/203; 370/513; 370/514; 375/366; 375/368
3	Signal transmitting apparatus and signal receiving apparatus using orthogonal frequency division multiplexing	370/491	375/261; 375/364
4	Signal transmitting apparatus and signal receiving apparatus using orthogonal frequency division multiplexing	370/206	370/210; 370/491; 370/516; 375/261
5	Receiver for orthogonal frequency division multiplexed signals	375/324	370/203; 370/210; 375/326
6	Synchronization detection method for data transmission apparatus and data transmission apparatus using the same	375/364	370/514; 370/520; 375/368
7	OFDM transmitting/receiving device and method	370/203	370/210; 370/481; 375/260; 375/265
8	Diversity receiving apparatus	455/133	370/206; 370/208; 370/210; 455/134; 455/135; 455/277.1; 455/278.1
9	Simultaneous multi-user audio re-transmission digital radio module	700/94	370/478; 375/216
10	Scalable communication system using overlaid signals and multi-carrier frequency communication	370/481	370/441; 370/480; 375/346; 375/356

	Retrieval Classif	Inventor	S	C	P	2	3	4	5
1		Ikeda; Yasunari et al.	X						
2		Sato; Toru et al.	X						
3		Takahashi; Nobuaki et al.	X						
4		Takahashi; Nobuaki et al.	X						
5		Okada; Takahiro et al.	X						
6		Sano; Seiichi et al.	X						
7		Sudo; Hiroaki et al.	X						
8		Kuroda; Shinichi	X						
9		Schoen; Neil Charles	X						
10		McFarland; William et al.	X						

	Image Doc. Displayed	PT
1	US 5506836	
2	US 5596582	
3	US 5657313	
4	US 5732068	
5	US 5787123	
6	US 6246735	
7	US 6345036	
8	US 6603961	
9	US 6609039	
10	US 6628673	

	U	1	Document ID	Issue Date	Pages
11		X	US 6747945 B2	20040608	39
12		X	US 6747946 B1	20040608	69
13		X	US 6768457 B2	20040727	39
14		X	US 6771706 B2	20040803	22
15		X	US 6907026 B2	20050614	18
16		X	US 20020041637 A1	20020411	45
17		X	US 20020114270 A1	20020822	53
18		X	US 20040234013 A1	20041125	7
19		X	US 5041981 A	19910820	28
20		X	US 6654408 B1	20031125	34
21		X	US 20020037057 A1	20020328	9

	Title	Current OR	Current XRef
11	OFDM transmitting and receiving apparatus and OFDM transmitting and receiving method	370/203	370/210; 370/481; 375/260; 375/265
12	Method and apparatus for transmitting orthogonal-multi-carrier signal	370/206	370/210; 370/480; 375/260; 708/404
13	Diversity systems for receiving digital terrestrial and/or satellite radio signals for motor vehicles	342/374	342/433; 342/448; 455/277.2
14	Method and apparatus for utilizing channel state information in a wireless communication system	375/267	375/260; 375/296; 375/347; 375/349; 455/101
15	Receiving apparatus for signal transmission system of orthogonal frequency division multiplexing type	370/344	370/203; 370/208; 375/260
16	Sliding-window multi-carrier frequency division multiplexing system	375/316	
17	Multiplex communication	370/208	370/482
18	Clustered OFDM with channel estimation	375/347	
19	Electric control apparatus for automobile and method of compensating for time delay of measured data	701/1	701/110
20	Method and system for multi-carrier multiple access reception in the presence of imperfections	375/148	375/260
21	Adaptive weighting method for orthogonal frequency division multiplexed soft symbols using channel state information estimates	375/329	370/208

	Retrieval Classif	Inventor	S	C	P	2	3	4	5
11		Sudo; Hiroaki et al.	X						
12		Kaneko; Keiichi et al.	X						
13		Lindenmeier; Heinz	X						
14		Ling; Fuyun et al.	X						
15		Akiyama; Toshiyuki	X						
16		Smart, Kevin J. et al.	X						
17		Pierzga, Wayne Francis et al.	X						
18		Li, Ye et al.	X						
19		Sekozawa; Teruji et al.	X						
20		Kadous; Tamer Adel et al.	X						
21		Kroeger, Brian William et al.	X						

	Image Doc. Displayed	PT
11	US 6747945	
12	US 6747946	
13	US 6768457	
14	US 6771706	
15	US 6907026	
16	US 20020041637	
17	US 20020114270	
18	US 20040234013	
19	US 5041981	
20	US 6654408	
21	US 20020037057	

	U	1	Document ID	Issue Date	Pages
22		X	US 20010028637 A1	20011011	33
23		X	US 6625113 B1	20030923	9
24		X	US 6618352 B1	20030909	33

	Title	Current OR	Current XRef
22	Multi-carrier CDMA radio transmitting method and apparatus, and channel estimation method and apparatus for multi-carrier CDMA radio transmitting system	370/335	370/208
23	Digital signal frame and interleaver synchronizer	370/208	370/343; 375/260; 375/350
24	Modulator, demodulator, and transmission system for use in OFDM transmission	370/203	370/342; 370/343; 375/136

	Retrieval Classif	Inventor	S	C	P	2	3	4	5
22		Abeta, Sadayuki et al.	X						
23		Cupo; Robert L. et al.	X						
24		Shirakata; Naganori et al.	X						

	Image Doc. Displayed	PT
22	US 20010028637	
23	US 6625113	
24	US 6618352	